

IN THE CLAIMS:

Claims 1, 3, 5, 7, 10, 17, 19-22, 32-33, and 35 were previously canceled herein. Finally rejected claims 11, 13-16, 18, 23, 34, 36-38, and 40 are canceled with this amendment. All cancellations have been made without prejudice or disclaimer. All of the pending (and allowed) claims 2, 4, 6, 8, 9, 12, 24-31, and 39 are presented below. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as amended.

Listing of Claims:

1. (canceled)
2. (previously presented) An isolated nucleic acid molecule encoding a polypeptide having diacylglycerol acyltransferase activity, wherein the isolated nucleic acid molecule comprises a sequence according to SEQ ID NO: 1 or SEQ ID NO: 3.
3. (canceled)
4. (previously presented) A vector for transformation of plant cells, wherein said vector comprises a nucleic acid sequence encoding a polypeptide having diacylglycerol acyltransferase activity, wherein the nucleic acid sequence comprises SEQ ID NO: 1 or SEQ ID NO: 3.
5. (canceled)
6. (previously presented) The vector according to claim 4, wherein said nucleic acid sequence is present in said vector in a sense orientation.
7. (canceled)

8. (previously presented) Plasmid pDGATcDNA having accession number ATCC PTA-989.

9. (previously presented) Plasmid pDGATgene having accession number ATCC PTA-988.

10.-11. (canceled)

12. (previously presented) A genetically transformed plant, wherein the genome of the plant has been transformed by the vector according to claim 4.

13.-23. (canceled)

24. (previously presented) The isolated nucleic acid molecule of claim 2, wherein the nucleic acid sequence is SEQ ID NO: 1.

25. (previously presented) The isolated nucleic acid molecule of claim 2, wherein the nucleic acid sequence is SEQ ID NO: 3.

26. (previously presented) The vector of claim 4, wherein the nucleic acid sequence is SEQ ID NO: 1.

27. (previously presented) The vector of claim 4, wherein the nucleic acid sequence is SEQ ID NO: 3.

28. (previously presented) The plant seed of claim 13, wherein the introduced nucleotide sequence is SEQ ID NO: 1 or SEQ ID NO: 3.

29. (previously presented) The plant seed of claim 11, wherein the introduced nucleotide sequence is SEQ ID NO: 1 or SEQ ID NO: 3.

30. (canceled)

31. (previously presented) The method according to claim 23, wherein the nucleic acid sequence is SEQ ID NO: 1 or SEQ ID NO: 3.

32.-38. (canceled)

39. (previously presented) A genetically transformed plant seed, wherein the genome of the plant seed has been transformed by the vector of claim 4.

40. (canceled)